



# 1998 Toxics Release Inventory

## KANSAS

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	22,573,359	10,943,658	33,517,017
Air Emissions	19,492,825	5,163,738	24,656,563
Surface Water Discharges	620,344	7,535	627,879
Underground Injection Class I Wells	1,350,665	0	1,350,665
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	292	0	292
Other On-site Land Releases	1,109,233	5,772,385	6,881,618
Off-site Releases (Transfers Off-site to Disposal) *	6,433,673	113,254	6,546,927
<b>Total On- and Off-site Releases</b>	<b>29,007,032</b>	<b>11,056,912</b>	<b>40,063,944</b>
Recycled On-site	126,542,458	171,511	126,713,969
Recycled Off-site	59,430,708	788,546	60,219,254
Energy Recovery On-site	105,332,327	0	105,332,327
Energy Recovery Off-site	3,791,045	44,326	3,835,371
Treated On-site	13,754,125	2,018,635	15,772,760
Treated Off-site **	5,081,096	36,515	5,117,611
Quantity Released On- and Off-site ***	25,583,848	11,139,852	36,723,700
<b>Total Production-related Waste Managed</b>	<b>339,515,607</b>	<b>14,199,385</b>	<b>353,714,992</b>
<b>Total Non-production-related Waste Managed</b>	<b>99,249</b>	<b>29</b>	<b>99,278</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	59,319,282	788,556	60,107,838
Energy Recovery	3,609,161	43,106	3,652,267
Treatment	865,727	33,895	899,622
Publicly Owned Treatment Works (POTWs)	1,022,126	9,320	1,031,446
Metals and Metal Compounds *	41,380	0	41,380
Non-metal TRI Chemicals **	980,746	9,320	990,066
Other Off-site Transfers ****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	6,523,096	114,165	6,637,261
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>71,339,392</b>	<b>989,042</b>	<b>72,328,434</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

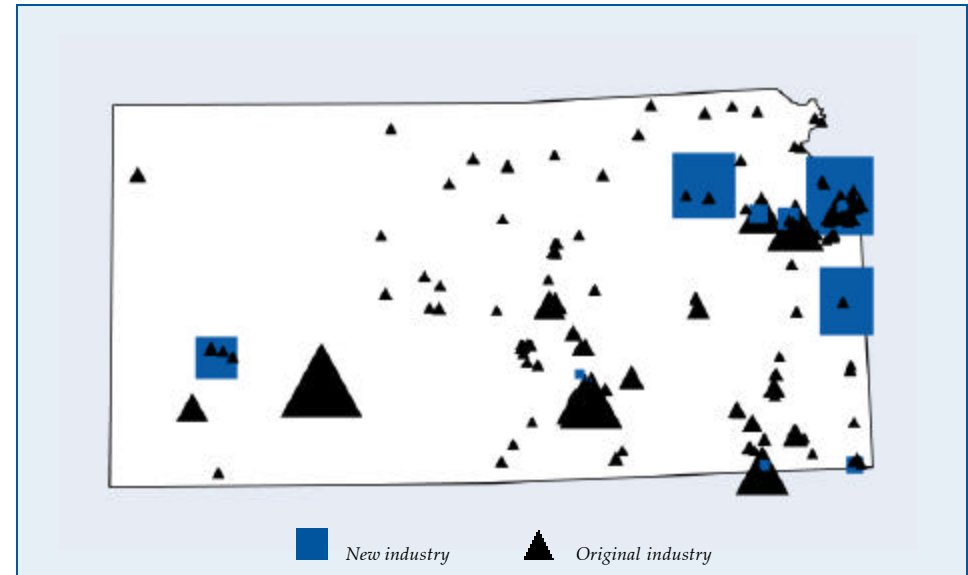
Scott Bangert  
(785) 296-1689  
Fax: (785) 296-1545

#### EPA Regional Contact:

Stephen Wurtz  
(913) 551-7315  
Fax: (913) 551-7065

#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Kansas. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	2,629,067
Square Miles	81,823
Total Facilities	280
Total Forms	1,048
Form As	110

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	26	38	32
Pounds	29,007,032	11,056,912	40,063,944
<b>National Rank for Total On-site Releases**</b>			
Rank	28	37	34
Pounds	22,573,359	10,943,658	33,517,017
<b>National Rank for Total Releases within State***</b>			
Rank	27	38	34
Pounds	25,214,090	11,156,025	36,370,115
<b>National Rank for Production-related Waste Managed</b>			
Rank	22	40	26
Pounds	339,515,607	14,199,385	353,714,992

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1998 Toxics Release Inventory

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### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-41-7	Ammonia	4,404,634	32,862	19,800	46,491	37,000	4,540,787	0	36,750	250
7664-38-2	Phosphoric acid	47,375	250	0	0	3,379,500	3,427,125	4	0	3,379,500
1330-20-7	Xylene (mixed isomers)	2,069,851	57	0	1,123	42,377	2,113,408	0	11,808	30,569
110-54-3	n-Hexane	2,077,047	30	0	0	260	2,077,337	0	255	5
—	Manganese compounds	20,002	250	0	76,500	1,790,469	1,887,221	838	1,786,869	3,600
67-56-1	Methanol	803,485	13	806,314	180	11,886	1,621,878	0	10,503	1,383
108-88-3	Toluene	1,505,360	197	0	1,141	1,901	1,508,599	0	489	1,412
75-15-0	Carbon disulfide	1,324,606	0	0	0	0	1,324,606	0	0	0
7439-96-5	Manganese	22,424	250	0	845,157	35,782	903,613	0	23,025	12,757
78-93-3	Methyl ethyl ketone	727,725	0	0	17,500	515	745,740	11,477	512	3

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Barium compounds	67,050	2,010	0	3,740,000	0	3,809,060	48,751	0	0
7647-01-0	Hydrochloric acid	3,353,598	0	0	0	0	3,353,598	0	0	0
7440-39-3	Barium	31,758	5	0	1,262,308	88,275	1,382,346	1,285	0	88,275
7664-39-3	Hydrogen fluoride	820,927	0	0	0	0	820,927	0	0	0
7664-93-9	Sulfuric acid	815,556	0	0	0	0	815,556	0	0	0
—	Manganese compounds	4,170	1,000	0	239,000	250	244,420	0	250	0
—	Copper compounds	3,184	500	0	132,391	5	136,080	8	5	0
—	Zinc compounds	8,186	2,000	0	118,619	15	128,820	279	15	0
7782-41-4	Fluorine	955	0	0	90,778	0	91,733	0	0	0
—	Chromium compounds	2,361	500	0	71,532	490	74,883	37,016	490	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



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### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Farmland Ind. Inc. Dodge City Nitrogen Plant, Dodge City, Ford	2,196,114	0	1,150	0	0	2,060	2,199,324	0	0
Boeing Co. — Wichita Div., Wichita, Sedgwick	1,569,460	27,260	0	0	0	0	1,596,720	12,210	242,075
Farmland Ind. Inc. Lawrence Nitrogen Plant, Lawrence, Douglas	931,204	481,100	0	0	0	300	1,412,604	0	0
Farmland Inds. Inc., Coffeyville, Montgomery	1,301,837	15,901	0	0	0	0	1,317,738	0	0
UCB Films Inc., Tecumseh, Shawnee	1,058,234	3,800	0	0	0	500	1,062,534	0	0
GM MLCG-Fairfax Assembly, Kansas City, Wyandotte	1,043,653	0	0	0	0	0	1,043,653	740	11,300
Griffin Wheel Co. Kansas City Plant, Kansas City, Wyandotte	18,000	0	0	0	0	845,157	863,157	1,481	45,359
Air Prods. Mfg. Corp., Haysville, Sedgwick	78,562	0	747,390	0	0	0	825,952	0	0
Vulcan Chemicals, Wichita, Sedgwick	110,395	0	592,854	0	0	0	703,249	2,899	0
Cargill Inc./Oilseeds, Wichita, Sedgwick	683,000	0	0	0	0	0	683,000	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Nearman Creek Power Station, Kansas City, Wyandotte	2,365,063	0	0	0	0	327,136	2,692,199	0	0
La Cygne, La Cygne, Linn	327,710	10	0	0	0	1,950,000	2,277,720	414	0
Jeffrey Energy Center, Saint Marys, Pottawatomie	402,165	4,000	0	0	0	1,732,600	2,138,765	760	0
Quindaro Power Station, Kansas City, Wyandotte	1,209,159	0	0	0	0	170,725	1,379,884	0	99,280
Holcomb Unit 1, Holcomb, Finney	465,285	0	0	0	0	820,618	1,285,903	0	0
Lawrence Energy Center, Lawrence, Douglas	69,210	1,500	0	0	0	390,000	460,710	5	0
Tecumseh Energy Center, Tecumseh, Shawnee	152,610	1,000	0	0	0	206,000	359,610	5	0
Riverton Generating Station, Riverton, Cherokee	122,018	5	0	0	0	175,306	297,329	0	0
Safety-Kleen (Aragonite) Inc., Coffeyville, Montgomery	17,113	0	0	0	0	0	17,113	0	8,475
Phillips Pipe Line Co. — Kansas City Terminal, Kansas City, Wyandotte	10,665	759	0	0	0	0	11,424	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1998 Toxics Release Inventory

## KANSAS

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Farmland Ind. Inc. Dodge City Nitrogen Plant, Dodge City, Ford	0	0	15,000	0	10,100	0	2,203,004	2,228,104	0
Inspec USA Inc., Galena, Cherokee	3,874,342	0	0	585,747	69,867	0	1,798,572	6,328,528	0
Boeing Co. — Wichita Div., Wichita, Sedgwick	0	7,423,000	0	465,990	621,972	80,972	1,768,700	10,360,634	0
Farmland Ind. Inc. Lawrence Nitrogen Plant, Lawrence, Douglas	57,000,000	0	2,846,000	0	3,573,000	0	1,413,000	64,832,000	22,000
Farmland Inds. Inc., Coffeyville, Montgomery	0	19	0	583	0	0	1,317,721	1,318,323	0
UCB Films Inc., Tecumseh, Shawnee	7,300,000	0	0	24,000	229,800	0	1,055,200	8,609,000	0
GM MLCG-Fairfax Assembly, Kansas City, Wyandotte	0	0	0	582,710	164,260	138,454	1,051,885	1,937,309	0
Griffin Wheel Co. Kansas City Plant, Kansas City, Wyandotte	0	0	0	0	0	0	909,827	909,827	0
Air Prods. Mfg. Corp., Haysville, Sedgwick	0	0	562,930	320	1,090,920	4,300	821,740	2,480,210	0
Vulcan Chemicals, Wichita, Sedgwick	0	102,994	0	387	1,058,877	7,689	687,545	1,857,492	58,463

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Nearman Creek Power Station, Kansas City, Wyandotte	0	407,330	0	0	0	0	2,692,199	3,099,529	2
La Cygne, La Cygne, Linn	0	0	0	0	0	414	2,279,900	2,280,314	0
Jeffrey Energy Center, Saint Marys, Pottawatomie	0	0	0	0	1,010,000	0	2,143,000	3,153,000	0
Quindaro Power Station, Kansas City, Wyandotte	0	68,661	0	0	0	0	1,557,115	1,625,776	0
Holcomb Unit 1, Holcomb, Finney	0	0	0	0	0	0	1,285,901	1,285,901	0
Lawrence Energy Center, Lawrence, Douglas	0	0	0	0	156,000	0	468,000	624,000	0
Tecumseh Energy Center, Tecumseh, Shawnee	0	0	0	0	13,500	0	358,000	371,500	0
Riverton Generating Station, Riverton, Cherokee	0	0	0	0	0	0	297,324	297,324	0
Safety-Kleen (Aragonite) Inc., Coffeyville, Montgomery	135,823	283,761	0	0	795,198	29,630	25,561	1,269,973	27
Phillips Pipe Line Co. — Wichita Terminal, Wichita, Sedgwick	0	5	0	0	13,241	5	10,639	23,890	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.